

(12) UK Patent Application (18) GB (11) 2 354 688 (13) A

(43) Date of A Publication 28.03.2001

(21) Application No 0028807/A

(22) Date of Filing 27.11.2000

(30) Priority Data

(31) 0008789.2

(32) 10.04.2000

(33) GB

(71) Applicant(s)

France Fuelite

14 Verulam Ave, PURLEY, Surrey, CR8 3ND,
United Kingdom

(72) Inventor(s)

France Fuelite

(74) Agent and/or Address for Service

France Fuelite

14 Verulam Ave, PURLEY, Surrey, CR8 3ND,
United Kingdom(51) INT CL⁷

H05B 6/60 // H05B 6/78

(52) UK CL (Edition 6)

H5H H5B

F4A ADD AHA A220

U16 S1876

(56) Documents Cited

US 6280829 A

US 4761359 A

(58) Field of Search

UK CL (Edition 5) F4A ADD AHA, H5H H5B H5D

H5D

INT CL⁷ F26H 1/10 1/16, H05B 6/78 6/80

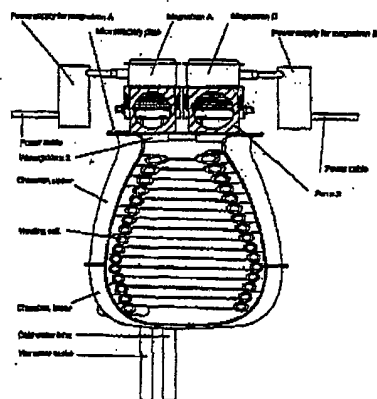
ONLINE: WPI, JAPIC, EPDOC, INSPEC

(54) Abstract Title

Microwave continuous flow water heater

(57) The Microwave continuous flow and linear water heater consists of a closed chamber into which microwaves at a frequency of 2450 mhz. are introduced via two magnetrons, the heater being characterised by a chamber of truncated conical section having a concave base wherein no adjacent section are at right angles thus preventing generation of refraction and diffraction waves. The base of the chamber serves as a reflecting dish to direct energy towards the silica based flexible coil disposed against the chamber wall. The silica based coil is spiral led inside the chamber and is terminated to inlet and outlet glands. These provide for a continuous flow of water to pass through the coil in any direction depending upon the application and/or the plumbing arrangements in which it is being used.

Section view with outer casework removed



At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

This print takes account of replacement documents submitted after the date of filing to enable the application to comply with the formal requirements of the Patents Rules 1995

GB 2 354 688 A